DOD Project Manager - Mobile Electric Power

Tactical Electric Power

DoD-Wide "Transformation"

Tri-Service Power Expo

July 15-17, 2003

Colonel Mark Jones
Project Manager - Mobile Electric Power

PM MEP

Program Executive Officer
Combat Support & Combat Service Support

Project Manager
Mobile Electric Power

- **Product Manager** Physical Security Equipment
- **Product Manager** Test, Measurement & Diagnostic Equipment
- **Product Manager (USMC)** Small Power Sources
- **Product Manager (USA)** * Medium Power Sources
- **Product Manager (USAF)** Large Power Sources

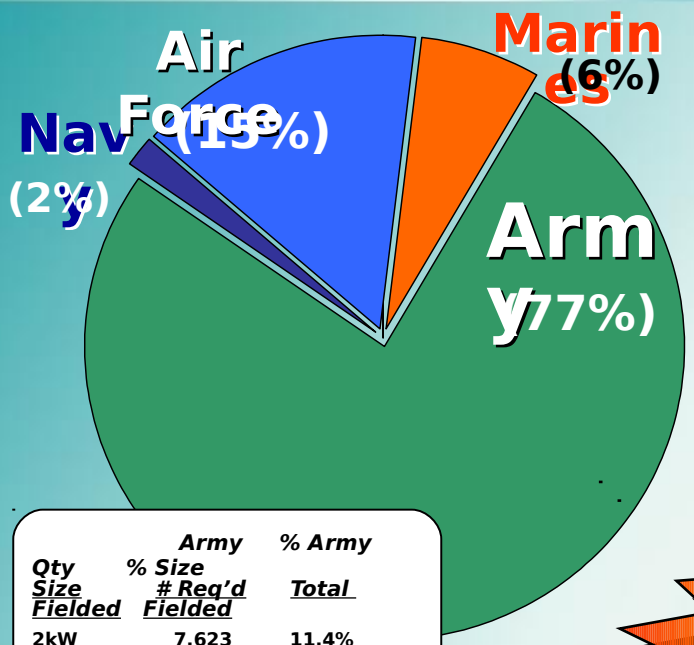
* Effective FY05

DoD PM / Executive Agent for "Tactical Power"

Provide a Modernized Department of Defense Standard Family of Mobile Electric Power Generating Sources for All Services For Maximum DOD Component Use. Accomplish this Mission Through a Coordinated Inter-Service Effort to Develop, Acquire, and Support Mobile Electric Power Sources from Small, 0.5kW Man portable Generators to Large, 920kW and Greater Prime Power Systems.

DoDD 4120.11

Current Situation



2kW thru 920kW Generator Sets & APUs

	Requirements	Fielded MIL-STD	Fielded TQG
Army	66,922	42,341	24,581
Navy	1,604	1,029	575
Air Force	13,340	6,148	7,192
Marines	5,358	2,698	2,660
Total	87,224	52,216	35,008

Data Thru Jul 03

Qty Fielded	Size	Army # Req'd	% Army % Size Fielded
2kW		7,623	11.4%
4,771			62.6%
3kW		18,988	28.4%
2,054			10.8%
5kW		13,832	20.7%
6,015			43.5%
10kW		12,449	18.6%
5,984			48.1%
15kW		4,383	6.6%
1,861			42.5%
30kW		3,430	5.1%
1,690			49.3%
40kW		2,888	4.3%
1,087			38.2%
100/200		371	0.6%
0			0.0%
DPGDS		42	0.0%
0			0.0%
APUs		2,956	4.4%
1,119			38.4%
		66,922	
24,581			

News Flash: Two-Thirds "Highly Digitized C4ISR" Force … is powered by 1980's Generators

Average Service - Over 18.0 Years

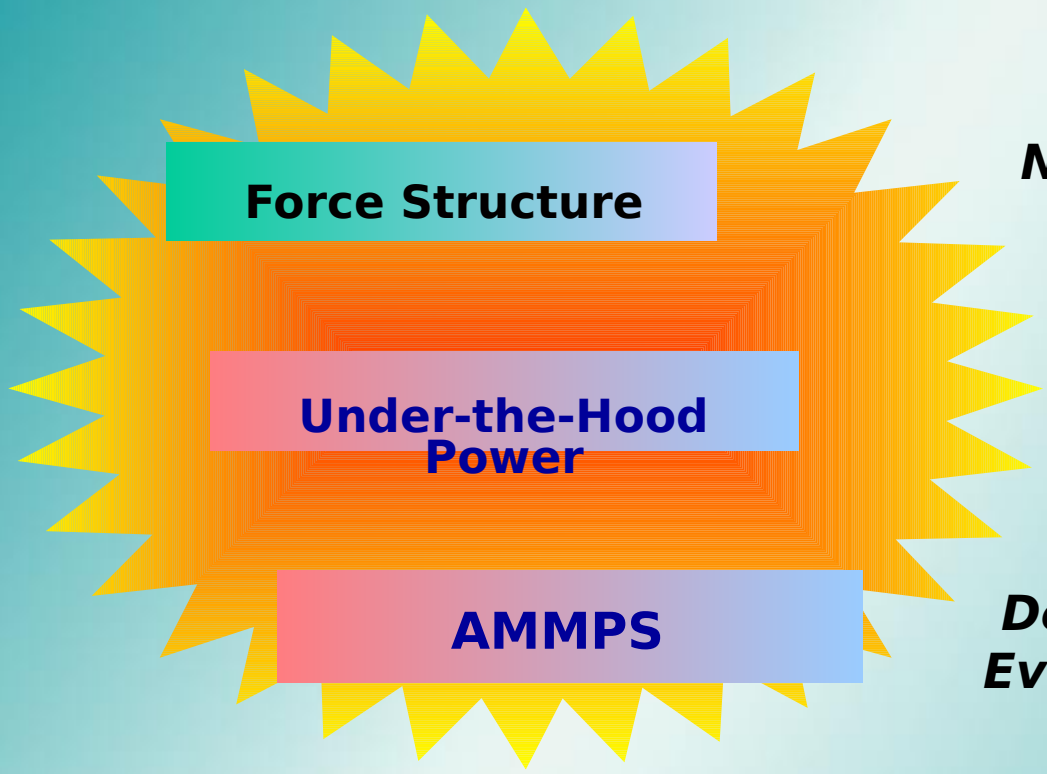
Transformation

MIL-STD = Military Standard
First Generation Gasoline and Diesel Engine Generator Sets

TQG = Tactical Quiet Generator
Second Generation, Modernized, Diesel Engine Generator Sets

Transformation SITREP

TQG Fielding — *Funded in POM (but only at a moderate level)*



Needs Work (aka ~ Tactical Units generally at "Wire Diagram 101")

Potential – Specific Applications Operational Requirements - TBD

DoD's Largest Power Program Ever Funded/On-schedule (RFP – Aug 03)

Future Power Systems — *Focus – Needs to be the "System" Tactical System…based on Fuel Cell that uses "JP-8" ~ Total Unknown*

Got Power ?

HOOAH !!